

I. What we mean by Generalization concept using Generics?

It is a concept used to write a cleaner, more general, less redundancy, more readable code that can be used for each data type used in to do its functionality without any errors. To generalize the data type, we use any letter to define it but the most common is T stands for Template. This T is specified with a data type every time the method or the class T is defined in it is used. This helps in improve reuseability and decreases duplication of same method for different data types which enhances the performance and maintainability.

II. What we mean by hierarchy design in real business?

It means how different levels in any organization are organized to do the required job effectively from management, departments and employees. It can be presented by a pyramid where the management has more authorities and the more you go down, the less the authorities are available.

For the pyramid, it can be divided as follows: The top management like CEO and CFO, The middle management like department heads, The bottom management like team leaders, The staff like team members.

The Authority refers to the right to make decisions, give orders, and enforce them.

The Responsibility refers to the duty to perform tasks and fulfill the objectives assigned by higher management to any employee.

In The hierarchy makes authority flow from up to down.

It has also a reporting system that every member reports to the next higher employee above him. Most of decision-making process is done by Top

Management and the requirements are passed to lower employees to do them.

This removes any confusion and shows every right the employee has and every duty he has to do beside his rights.